

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs at the Department of Energy

Workshop for Industrial Researchers

Brookhaven National Laboratory

December 15, 2021

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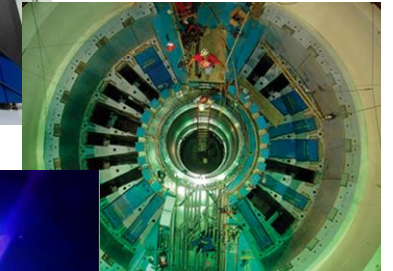


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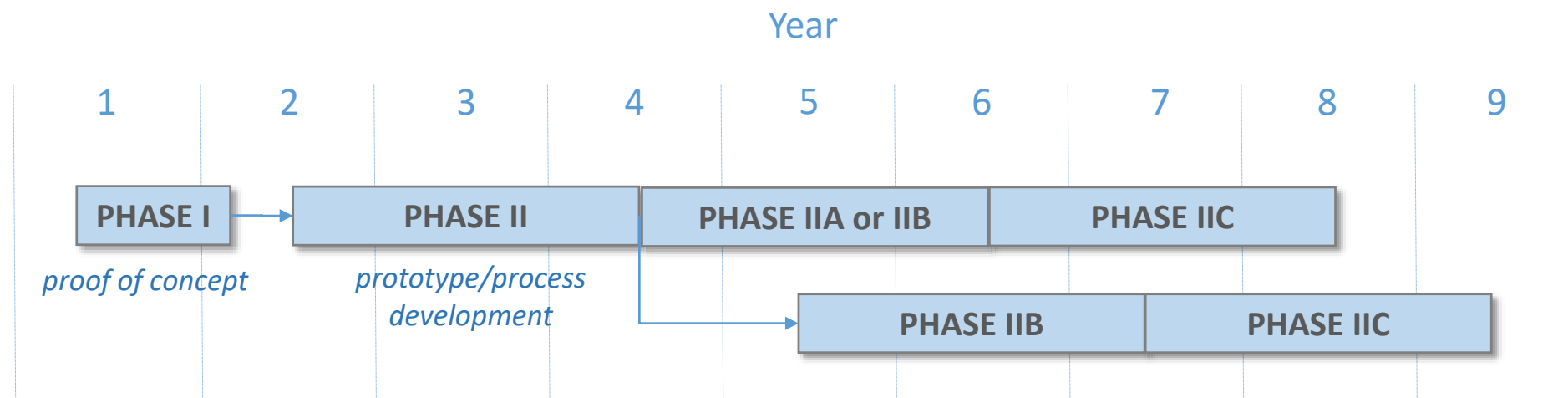
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WHAT DO WE FUND?

- Mission
 - *Leadership in clean energy technologies*
 - *Leadership in basic science and engineering in the physical sciences*
 - *Enhancement of nuclear security*
- SBIR/STTR Research Areas (focus on deep tech)
 - *Renewable energy, energy efficiency, grid modernization, advanced fossil fuel technologies, nuclear energy, fusion energy*
 - *Advanced scientific instrumentation in the physical sciences, advanced computing, atmospheric and environmental monitoring, accelerator technology*
 - *Nuclear nonproliferation, environmental remediation and clean up*
 - *Recent thrust areas: artificial intelligence, quantum information sciences*
 - *More details: <https://science.osti.gov/sbir/Research-Areas-and-Impact>*



HOW DO WE OPERATE?



Phase I

- Two annual Funding Opportunity Announcements
- Focused, mission-aligned topics
- Feedback provided on letters of intent
- \$200,000/\$250,000
- 6-12 months duration
- ~ 350-400 awards per year

Phase II

- Phase I awardees apply for Phase II the following year
- \$1,100,000/\$1,500,000
- 2 years duration
- ~ 160 awards per year

Phase IIA/B:

- For projects that require additional R&D funding to transition to commercialization
- \$1,100,000
- 2 years duration
- ~30 awards per year

Phase IIC:

- Pilot program to leverage 1:1 matching funds for commercialization
- \$1,100,000
- 2 years duration

<https://science.osti.gov/sbir/Funding-Opportunities>



New Phase I Funding Opportunity Announcement Issued 12/14/2020

- Topics and Funding Opportunity Announcement can be found here:
<https://science.osti.gov/sbir/Funding-Opportunities>
- Important Upcoming Dates:
 - *Letter of Intent (Required): January 4, 2021*
 - *Applications Due: February 22, 2021*

DEPARTMENT OF ENERGY (DOE)
SMALL BUSINESS INNOVATION RESEARCH (SBIR)
SMALL BUSINESS TECHNOLOGY TRANSFER (STTR)



FY 2021 PHASE I RELEASE 2

FUNDING OPPORTUNITY ANNOUNCEMENT (FOA) NUMBER:
DE-FOA-0002360
FOA TYPE: New
CFDA NUMBER: 81.049

FOA Issue Date:	December 14, 2020
Submission Deadline for Letters of Intent:	Monday, January 4, 2021 5:00 PM Eastern
Submission Deadline for Pre-Application:	N/A
Pre-Application Response Date:	N/A
Submission Deadline for Applications:	Monday, February 22, 2021 11:59 PM Eastern



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TAKE ADVANTAGE OF . . .



- Applicants

- *Phase 0 Application Assistance program for first time applicants* (<https://www.dawnbreaker.com/doephase0/>)
- *Online application tutorials* (<https://science.osti.gov/SBIRLearning>)
- *Partnership with DOE National Labs* (<https://science.osti.gov/sbir/Applicant-Resources/National-Labs-Profiles-and-Contacts/> and <https://www.labpartnering.org/p/>)
 - Approximately 1/2 of Phase I awardees collaborate with a research institution and almost 2/3 of Phase II awardees.

- Awardees

- *Select your own commercialization assistance provider or utilize the DOE Commercialization Assistance Program* (<http://www.larta.org/doecap>). Up to \$6500 available for Phase I and \$50,000 available for Phase II.
- *Energy I-Corps training for Phase I awardees*



Outcomes

- Public benefits
 - *Examples: Advancing scientific knowledge (publications) and DOE mission impact (e.g. reduction CO2 emissions, energy security)*
- Sustainable, profitable revenue stream for the small business
 - *Early indicators: patents, follow-on investments*
 - *Commercialization: sales or licensing revenue*



<https://science.osti.gov/sbir/SBIR-STTR-Phase-III-Success-Stories>



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CONTACT US

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